

20030729.qrp v02\_n996.qrl.20030729

Date: Tue, 29 Jul 2003 19:03:05 EDT  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 2996

QRP-L Digest 2996

Topics covered in this issue include:

- 1) [155087] Summerfest Radio Convention QRP Forum this coming Sat., dinner Fri.  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 2) [155088] kits  
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 3) [155089] F/S Elecraft K1 (or trade for TT rig)  
by k7gt@comcast.net
- 4) [155090] OT Slackware 9.0 Distro  
by Mike Malone KD5KXF <mmalone@ruggedridge.com>
- 5) [155091] FS: 28 Foot Fiberglass Masts  
by "Tim, N9PUZ" <n9puz@arrl.net>
- 6) [155092] Elmer 160: Status  
by "John J. McDonough" <wb8rcr@arrl.net>
- 7) [155093] My first PSK31 QSO with the IC-703 this evening...PSK63 is next...  
by "Bill, N4QA" <n4qa@hotmail.com>
- 8) [155094] Re: s0, THE CW IS A SNAP HUH?  
by Ed Tanton <n4xy@earthlink.net>
- 9) [155095] F. S. excess qrp rigs-- update  
by Gsdavis7070@cs.com
- 10) [155096] RE: My first PSK31 QSO with the IC-703 this evening...PSK63 is  
next...  
by "Bob & Janet" <jbcraft@adelphia.net>
- 11) [155097] Re: Call me Ishmael  
by Tom Severt <n2uhc@yahoo.com>
- 12) [155098] Did the '60-meter xmit mod' for the IC-703 tonight...one itty bitty  
diode...  
by "Bill, N4QA" <n4qa@hotmail.com>
- 13) [155099] Re: My first PSK31 QSO with the IC-703 this evening...PSK63 is  
next...  
by Brian Short <bshort4@cox.net>
- 14) [155100] Michigan QRP Net  
by kwike@gdls.com
- 15) [155101] Re: s0, THE CW IS A SNAP HUH?  
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 16) [155102] MobilePro Pocket PC software?  
by "Ron Pfeiffer" <n1zsw@hotmail.com>
- 17) [155103] Class-E Transmitters  
by w5jh@swlink.net

- 18) [155104] Fox Log (Prelim.) - N3BJ  
by "Alan Fryer" <N3BJ@hotmail.com>
- 19) [155105] Re: Adapting the "Ham From Idaho" SSB Rig For 60 mtrs  
by "Mabel & Don Adams" <adamsmed2@cableone.net>
- 20) [155106] My first 60-meter QSO using the Icom IC-703 QRP xcvr...  
by "Bill, N4QA" <n4qa@hotmail.com>
- 21) [155107] Z-11 spoken for - by me :-)  
by <nz7c@cox.net>
- 22) [155108] Fwd: Re: BB ... on the edge  
by Brian Boschma <brianb@tdl.com>
- 23) [155109] SIXTY METERS...the band of Best Regards...  
by "Bill, N4QA" <n4qa@hotmail.com>
- 24) [155110] RE: Call me Ishmael  
by "Fletcher, Michael" <michael.fletcher@attws.com>
- 25) [155111] Elmer 160: Why the parts?  
by "Fletcher, Michael" <michael.fletcher@attws.com>
- 26) [155112] Re: SIXTY METERS...the band of Best Regards...  
by "George, W5YR" <w5yr@att.net>
- 27) [155113] Re: Call me Ishmael  
by Alex <kr1st@amsat.org>
- 28) [155114] Re: SIXTY METERS...the band of Best Regards...  
by Wayne\_W5KDJ <w5kdj@juno.com>
- 29) [155115] Austin Summerfest Ham Convention QRP forum Dinner Aug. 1  
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 30) [155116] RE: Well Known Contester Falls From Tower  
by "Dean-NR2V/4" <nr2v@northnet.org>
- 31) [155117] FS: QRP Items  
by "David Kukulka" <ab9bz@hotmail.com>
- 32) [155118] FOX: N2WW Log for 7/27  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 33) [155119] Brief Ft. Tuthill report and AZ ScQRPion TX  
by Steve Smith <sigcom@juno.com>
- 34) [155120] Re: Elmer 160: Why the parts?  
by Joe Martin <km5cw@arrl.net>
- 35) [155121] RUN FOR THE BACON  
by "Jerry Ford" <benlightnd13@mchsi.com>
- 36) [155122] Re: s0, THE CW IS A SNAP HUH?  
by Dale Botkin <dale@botkin.org>
- 37) [155123] FT. TUTHILL (the story)  
by "KD7SNX Rob. C" <kd7snx@earthlink.net>
- 38) [155124] Re: Elmer 160: Why the parts?  
by Joe Martin <km5cw@arrl.net>

-----  
Date: Mon, 28 Jul 2003 18:05:15 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <qrp-1@Lehigh.EDU>

Subject: [155087] Summerfest Radio Convention QRP Forum this coming Sat., dinner Fri.

Message-ID: <071201c3555c\$b4ba5b50\$4e100a0a@rohredt2000>

Austin Texas Summer Ham Radio Tx State convention and swapmeet:

Subject: Summerfest Radio Convention QRP Forum this coming Sat., dinner Fri.

> Summerfest ham swap and convention is upon us!  
>  
> We have three outstanding speakers: This is from 1 PM to 3 PM Sat.  
> afternoon at the Red Lion meeting rooms (see Summerfest web site).  
>  
> Our own John Fisher speaking on his latest micro controller application  
> and  
> board for video titles for your QRP ATV or other video application.  
>  
> Then, we have Ron Sparks from Houston QRP club, and fresh from Ft. Tuthill  
> QRP convention, and the ARRL National Ham Com, speaking on Switching Power  
> Supplies for QRP.  
>  
> Finally, we have Austin ham and QEX author Gerald Youngblood, speaking on  
> his QRP rig, which is a Software Defined Radio for the Masses, as  
> described  
> in "QEX" magazine. Gerald has just received the prestigious Doug Demaw,  
> W1FB, Technical Excellence Award for his Software Defined Radio series of  
> papers. Come see what 3 little boards stacked and a computer can do for  
> you.  
>  
> Full convention details are on the Summerfest web site, linked from  
> Austinhams.org web site.  
>  
> And as traditionally, the convention opens Fri. evening at 5 PM. After  
> we  
> peek at the opening of the indoor swap fest, we will adjourn to the La  
> Palapa restaurant east of the Hotel, and just east of Cameron Rd/ 290  
> intersection, on the same side as the Red Lion Hotel. Meet at the  
> restaurant at 7:30 PM for fun and fellowship, and food.  
>  
> Hope to see you Fri., and please RSVP to me for the dinner. Hope to see  
> you  
> Sat. at the convention.

For complete convention info go to Summerfest link at <[www.austinhams.org](http://www.austinhams.org)>

72,  
Stuart  
K5KVH

-----  
Date: Mon, 28 Jul 2003 19:13:44 -0400  
From: "carl seyersdahl" <carlseye@tampabay.rr.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [155088] kits  
Message-ID: <009601c3555d\$e48448e0\$e5034918@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I hope someone here can help me. In digging thru my desk drawer I came across a "kit" which I can't identify.!!! It has a PIC16C622A, a crystal marked 3.68, and some small ceramic caps , a 10pf, 2 ea..22pf, a150 pf, and a .01mf ... 3 resistors, 1 marked 410 ohms (measures465) , 1ea.2.2k, and 1ea.100k. There is also a diode I can't read (too small) a transistor , 2n4401, a 2 pin connector (for power?) , a2 pin male conector , for board mtg. .!!  
the only thing that appears to be missing is a ckt. board.  
If anyone can identify this kit I'd certainly appreciate it.  
thanks to all.  
carl / kz5ca-----  
P.S. it's all in a static bag.!!!!

-----  
Date: Mon, 28 Jul 2003 23:27:42 +0000  
From: k7gt@comcast.net  
To: qrp-1@lehigh.edu, tentec@contesting.com  
Subject: [155089] F/S Elecraft K1 (or trade for TT rig)  
Message-ID: <200307282327.h6SNRkZ2016227@rain.CC.Lehigh.EDU>

I have a very clean K1 with internal tuner F/S or trade.  
S/N 00729. Set up for 40/30/20/15 with 160kHz+ tuning range and to receive WWV on 30m. 5W+ on 40/30/20 and about 4 on 15m. Absolutely clean and immaculate. Has the KAT1 tuner also.

\$420 firm + shipping  
or  
trade for very clean Tentec Scout with at least 4 band modules (40/30/20/17

preferred) and mike  
or  
trade toward Tentec Argonaut V with TCXO and mike.

Please reply directly

Tnx for your time.

--  
Allan K7GT

Pleasanton CA

-----  
Date: Mon, 28 Jul 2003 19:47:33 -0500  
From: Mike Malone KD5KXF <mmalone@ruggedridge.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [155090] OT Slackware 9.0 Distro  
Message-ID: <200307281947.33599.mmalone@ruggedridge.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Disposition: inline

Hey guys, I believe the seeds of the distro were received... where are we at on the distro? I am leaving for CO and NM on Aug 2nd and will not have access to email. Only way to reach me will be on or around 14.060 in the early evenings. Anyone installed yet? If you need help, email me off list.

Mike Malone  
KD5KXF  
Balch Springs, TX

---  
[This E-mail scanned for viruses by Declude Virus]

-----  
Date: Mon, 28 Jul 2003 19:50:22 -0500  
From: "Tim, N9PUZ" <n9puz@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [155091] FS: 28 Foot Fiberglass Masts  
Message-ID: <2003728195031.389161@EOS>  
Mime-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Recently I purchased a quantity of 28-foot collapsible poles that= are similar to the SD-20 and Black Widow poles we use for portable antenna= supports.

There are two differences: First, they are 28 feet long when= extended and not 20 feet like the others. Second, the top section is about 5mm in= diameter at the tip and the pole is quite a bit stiffer.

I've used mine to successfully support a wire vertical, a NorCal= doublet, and a 300 Ohm twinlead J-Pole for VHF.

If you are interested in one please WRITE TO ME OFF LIST for= further details.  
Jim has approved me sending this post, PLEASE let's not clog the= list with the transaction details.

The price including Priority Mail shipping in the US is \$45 to= QRP'ers  
(Nearly \$10 of that is shipping which I can't help, sorry.)

Tim, N9PUZ

-----  
Date: Mon, 28 Jul 2003 21:30:31 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [155092] Elmer 160: Status  
Message-ID: <012d01c35571\$036c4b00\$010044c0@chartermi.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

I haven't forgotten you guys. I did a bit of work a couple of days ago, but I've been full up working around the house since Saturday.

The emails have continued to pour in, and there seems to be an overwhelming preference for a kit or group buy. Even better, there have been several

offers to prepare the kits, provide access to volume discounts, and host web materials.

A number of folks have lobbied to use the 16F628, which is cheaper and offers a number of advantages over the 16F84A. What is interesting is none of the writers mentioned the biggest advantage, instead bragging on features that really aren't as useful as they sound. Most also hadn't noticed that the 16F84A offers some of the 628's advantages over the F84 (plain).

However, while writing up the PIC architecture, I quickly came to realize that the 628 isn't the part for this project. The part is just way too complicated to describe in a beginner setting. I would encourage everyone to consider the 628 for their SECOND project, but for this one, we'll use the tired old 16F84A. In fact, I intend to use the 16F84A-20/P. However, the -20/S0 would work just as well if you have some religious aversion to through-hole parts <g>

I also considered the 877. This part has some A/D converters which could be a lot of fun. But in a beginning setting, I think we want to start simple. We will discuss some of the other parts, and why you would want to use them. The programming language is the same, there are just different sized memories and different complements of I/O devices.

Also, since most amateur projects tend to end up being somewhat timing critical (counters and the like), I can't see why we wouldn't spend 73 cents on a 20 MHz crystal, instead of relying on an RC oscillator or a ceramic resonator. (Microprocessor crystals are way cheaper than trying to go out and find a crystal for an amateur frequency!)

One thing that we will expect is that you have a 12 volt supply that produces 13.8 volts (at least). If you are using gel cells, they will need to be fully charged. The reason for this is that we need 12.1 volts after regulation to program the part. (This is one downside of the 84, the 628 can be programmed with 5 volts).

I won't be replying much tomorrow - I have a full day of RACES activities, but after that the decks are largely cleared. My wife is having a rummage sale later in the week, so I think Thursday and Friday I'll take my laptop down to the local espresso shop and work on materials for this project. I won't be online, but I will be making headway.

I need to talk through with some folks the timing for getting things like parts set up. Also, a number of folks have mentioned that they will be away for parts of August, so it may make sense to officially kick this thing off in September when we are past most of the vacations. We don't need all the parts initially - we have at least 3 weeks of working with the simulator before we actually melt solder, so we do have a little flexibility there.

72/73 de WB8RCR      <http://www.qsl.net/wb8rcr>  
didileydadidah      QRP-L #1446 Code Warriors #35

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Date: Mon, 28 Jul 2003 21:46:44 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [155093] My first PSK31 QSO with the IC-703 this evening...PSK63 is next...  
Message-ID: <BAY1-F63mRBaYFkuutS0000c696@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hi, y'all.

Finally decided to rig up some cabling for interfacing the ThinkPad to the '703 for soundcard apps. No audio transformers or attenuators or anything...just direct connections between the TP's mic/headphones jacks and the 'AF', 'MOD', and 'GND' pins of the '703's rear apron 'ACC' socket. First ran the rig into the dummy (Bill) load and adjusted my transmit audio level by monitoring my own signal using the TS-440S and second PC running DigiPan. Running -30 dB IMD...not terribly good but ok, I guess. So, next, I called CQ on 14070.500 KHz running 5 watts p.e.p. to the longwire and received an answer from Mark, KG40RA, in Dorchester, South Carolina. We had a nice chat and then I tuned around the PSK band for a while.

I saw what appeared to be a clean PSK signal, but which was occupying twice the bandwidth of a PSK31 signal. Hmm, i thought...wonder if that's the new PSK63 I'm seeing. Just so happens that I downloaded Skip's (KH6TY) DigiPan 1.7 a couple weeks ago so I now have PSK63 capability as well as PSK31. I changed mode to PSK63 and, I'll be darned...it was KH6TY working someone whom I couldn't read.

Well, next, I must download DigiPan 1.7 to my signal-monitoring PC and see if the transmit audio level for PSK31 works ok with PSK63...I imagine it will.

I'm planning to document my IC-703 activities at my website in the coming weeks...nothing there yet.

Well, I'm still having problems with intermittent transmitter power output with my '703 so, for now, the rig is resting on its top and the bottom cover is removed so that I can keep the transmitter on the air during a QSO by pressing down on the driver transistor with a Heathkit tuning tool...until I



get the final fix for the rig taken care of...thinking about replacing the driver transistor.

It's not real convenient...operating the rig upside-down...but I'm still making logsheets full of contacts this way :) :) :)

After experimenting with the PSK modes, guess I'll check out the rig's AM and FM capabilities...

73.

Bill, N4QA

<http://www.n4qa.com>

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MSN 8 with e-mail virus protection service: 2 months FREE\*

<http://join.msn.com/?page=features/virus>

---

Date: Mon, 28 Jul 2003 22:00:45 -0400

From: Ed Tanton <n4xy@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [155094] Re: s0, THE CW IS A SNAP HUH?

Message-ID: <5.2.1.1.2.20030728215956.02cce298@pop.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Well said Scott!!!

At 05:25 PM 7/28/2003, Scott Rosenfeld [N7JI] wrote:

>It is but it ain't.

>

>Once ya gets it, ya gets it, much like ridin' a bi-cycle.

>

>Ya can't ride cross-country if ya haven't been in the saddle for a while,

>but you can probably ride cross town.

>

>///snip

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY

189 Pioneer Trail

Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by  
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

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"He that gives up a little liberty to gain  
temporary security will lose both and  
deserve neither".  
--Benjamin Franklin

"Suppose you were an idiot ...  
and suppose you were a member of  
Congress... but I repeat myself."  
--Mark Twain  
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Date: Mon, 28 Jul 2003 22:48:43 EDT  
From: Gsdavis7070@cs.com  
To: qrp-l@lehigh.edu  
Subject: [155095] F. S. excess qrp rigs-- update  
Message-ID: <172.1ddf5f68.2c573a8b@cs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Still have the hw-8 and the htx -100 and the argosy 525 analog. Mon eve.  
7/28/03

-----  
Date: Mon, 28 Jul 2003 23:22:18 -0400  
From: "Bob & Janet" <jbcraft@adelphia.net>  
To: <n4qa@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [155096] RE: My first PSK31 QSO with the IC-703 this evening...PSK63 is  
next...  
Message-ID: <AGEJJBFLLPLHMOECFDINOIEIBCKAA.jbcraft@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I do the same thing with both the IC703 AND the IC706mk2g...

I come directly off the 13 pin DIN plug on the back of the Icoms to the sound card Line In and Speaker out. For the PTT, I use the DTR on the laptop and turn on a 2N2222. I do use a 1N4148 from the DTR to the B and across the CE of the transistor.

Line levels are controlled by the sound card properties.

I have never had a hum problem so I do not use transformers.

Bob K8YS

-----  
Date: Mon, 28 Jul 2003 21:15:54 -0700 (PDT)  
From: Tom Severt <n2uhc@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [155097] Re: Call me Ishmael  
Message-ID: <20030729041554.26357.qmail@web9607.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

--- "James P. Osburn, P.E." <j.p.osburn@ieee.org>  
wrote:

> Go to Project Gutenberg at <http://www.promo.net/pg/>  
> and download something good like Moby Dick.  
> Use a text editor to select out the part you want.  
> Load it into Morse Academy and let 'er rip.

That's not a bad idea. In the recent issue of  
Worldradio appeared plans for a simple code practice  
oscillator which I built just for the fun of it.  
Details are at  
[http://www.geocities.com/n2uhc\\_2/code\\_osc.html](http://www.geocities.com/n2uhc_2/code_osc.html)

=====  
Tom Severt N2UHC  
<http://www.geocities.com/n2uhc>

-----  
Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software  
<http://sitebuilder.yahoo.com>

-----  
Date: Tue, 29 Jul 2003 01:15:40 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [155098] Did the '60-meter xmit mod' for the IC-703 tonight...one itty bitty diode...  
Message-ID: <BAY1-F134YII65fu3090000cad4@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Well, my Icom IC-703 transmits on the 'channel band' now. But it's raining and it's late so I ain't goin' out to the tuner for a 60-meter tuneup tonight...maybe after first light...

Sounds good on the TS-440S...

O' course, I've no idea what the emission looks like spectrally...I'll just speak softly :)

Stuck the 60-meter freqs in the '703's memory channels 1 thru 5.

Man, that diode is tiny...must be a size 0201 SMD. I put it in a small plastic parts drawer with some other stuff and it's totally lost in there. The 27-watt iron with the 1/8-inch chisel tip brought that little dude outta there with no sweat.

73.

Bill, N4QA  
<http://www.n4qa.com>

-----  
Add photos to your e-mail with MSN 8. Get 2 months FREE\*.  
<http://join.msn.com/?page=features/featuredemail>

-----  
Date: Tue, 29 Jul 2003 00:22:34 -0400  
From: Brian Short <bshort4@cox.net>  
To: Low Discussion <qrp-l@Lehigh.EDU>  
Subject: [155099] Re: My first PSK31 QSO with the IC-703 this evening...PSK63 is next...  
Message-ID: <46F58D10-C17C-11D7-8BD2-00306543B616@cox.net>

Content-Type: text/plain; charset=US-ASCII; format=flowed  
Mime-Version: 1.0 (Apple Message framework v552)  
Content-Transfer-Encoding: 7bit

In interfacing with the IC-706x 13-pin DIN plug, instead of connecting individual wires on the supplied pigtail, I attach a DB-15 female connector. Then all accessory wiring can take place on mating male DB-15s which are easy enough to solder, etc.

Also, pin 1 of the 13-pin DIN goes to pin 1 of the DB-15, pin 2... , etc. I think it is a great solution.

Over a period of time, I have owned a few radios and a few accessories. Making cables to connect them has always been a chore to me. If there are N different radios and then M accessories, the number of dedicated cables is large ( $N \times M$ ).

At one time, I built breakout boxes for all jacks on my radios with phono connectors providing access to all signals. I did the same for the accessories and connected them with phono patch cords. This is a lot of work and results in a bit of a clutter behind the radio.

I have connected various devices to my radios at MIC level using the radio MIC jack for SSTV, for example. I have also used the Yaesu "Patch" input which is also at MIC level.

Line level is less prone to unwanted noise. The Icom works at a higher level than the Yaesu Mic level.

In building a homebrew "voice keyer" long ago I encountered a noise problem. The noise was much worse when powering the accessory with a separate little Yaesu FP-4 4 amp power supply I use for testing stuff than with the "station" 12v supply, an Astron 50a. In all cases, isolation transformers did get rid of the noise.

In connecting my radios to sound cards, I have always used a small adjustable attenuator to bring things to MIC level along with an isolation transformer.

I have a box that I built once when I was more active on SSTV that accepts a Mic or 3 other sets of inputs which are connected when the corresponding PTT is active. The Mic, for example, is disconnected until the PTT for it is enabled. Anyway, with an

isolation transformer in there, I never had a problem connecting anything (HamComm interface, sound card, scan converter, etc).

I've been thinking about building something new that would have features of the commercial things now available for connecting sound cards and radios, but ...

Anyway, comments are welcome.

On Monday, July 28, 2003, at 11:22 PM, Bob & Janet wrote:

> I do the same thing with both the IC703 AND the IC706mk2g...  
>  
> I come directly off the 13 pin DIN plug on the back of the Icoms to the  
> sound card Line In and Speaker out. For the PTT, I use the DTR on the  
> laptop  
> and turn on a 2N2222. I do use a 1N4148 from the DTR to the B and  
> across the  
> CE of the transistor.  
>  
> Line levels are controlled by the sound card properties.  
>  
> I have never had a hum problem so I do not use transformers.  
>  
> Bob K8YS

--

See my web page: <http://www.k7on.com>

-----  
Date: Tue, 29 Jul 2003 07:14:25 -0400  
From: kwike@gdls.com  
To: qrp-1@Lehigh.EDU  
Subject: [155100] Michigan QRP Net  
Message-ID: <OFF73BE33B.077F6C0E-0N85256D72.003DB0A9@gdls.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=us-ascii

We had seven check-ins from three states last week. Conditions were fair at the start but the QRN was increasing and by the time the net was over it was S5.

KB8BO	599 599	WEST BLOOMFIELD	MI	JOE
WA8BXN	599 599	CLEVELAND	OH	MIKE
K8CV	599	ROYAL OAK	MI	WALT
WA8REI/P	599 599	CARO	MI	KEN
W8IQB	569 579	BRISTOL	MI	LOWELL

N8UN 569 479 EAST JORDAN MI ED  
W2SH 229 MILLINGTON NJ CHARLES

The Michigan QRP Net meets each Tuesday night at 9:00 PM Eastern time on 3.535 MHz. All hams are welcome.

Ed AB8DF Waterford, MI

-----  
Date: Tue, 29 Jul 2003 08:07:23 -0500  
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>  
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>  
Subject: [155101] Re: s0, THE CW IS A SNAP HUH?  
Message-ID: <000701c355d2\$a23b6340\$b989cccf@bbbcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I think normal everyday use is enough to maintain whatever speed you're at.

If you want to improve your speed, which I do, then you practice.

WD9EYB

-----  
Date: Tue, 29 Jul 2003 09:22:38 -0400  
From: "Ron Pfeiffer" <n1zsw@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [155102] MobilePro Pocket PC software?  
Message-ID: <Law9-F94Qvdzhs1eAjT000151ce@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Just picked up an NEC Mobilepro 400 and 450 pocketPC for \$20 each. Has little keyboard and mono display. Runs on AA batteries and would be great for field work. Also has a PCMCIA slot which I have used with Sandisk flashdisks and 56K modem. Installed explorer and have logged into the internet and surfed around.

Problem is it runs Microsoft Windows CE version 1.0 and I can find no Ham

software that  
runs on it. Most software available is for version 3.0. Also the OS in in  
PROM and not easily  
changed. I can't even figure out what I have to buy to be able to develop  
some code to  
run on it.

If anyone can help I would greatly appreciate it.  
Ron

-----  
The new MSN 8: smart spam protection and 2 months FREE\*  
<http://join.msn.com/?page=features/junkmail>

-----  
Date: Tue, 29 Jul 2003 07:13:49 -0700  
From: w5jh@swlink.net  
To: qrp-1@lehigh.edu  
Subject: [155103] Class-E Transmitters  
Message-ID: <200307291413.h6TEDn118892@newbambam.interwrx.com>

Folks,

The shipping of the AZ ScQRPion Class E transmitters has started. I shipped all orders received through Saturday 7/26/03 except 1 case. We had no idea the box/case kit would be so popular and have sold out of case kits. More are on the way. However, I was unable to get the bone colored case (the supplier is ordering more from the manufacturer). I have substituted a black colored case instead. It has the same dimensions and looks just as sharp as the bone. I should be able to ship cases by Friday of this week. I still have transmitter kits for all bands.

Bob Hightower is still receiving some orders. All orders should come to me. Since Bob is going on vacation for 2 weeks, if you send him an order, your kit will be delayed! Send all orders to me. See <<http://www.swlink.net/~w5jh/azsx303e.htm>> for details. BTW, I have put up new pictures of the kit on that page.

We had 12 or 13 people stop by Building #14 at Ft Tuthill this past weekend and build a transmitter. The best part was that several were 1st time builders. We had young kids, several ladies, and a few OFBGs (old fat bald guys) like me building the kit. With a little trouble shooting, all came up and "played."

-----  
Date: Tue, 29 Jul 2003 14:20:23 +0000  
From: "Alan Fryer" <N3BJ@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [155104] Fox Log (Prelim.) - N3BJ  
Message-ID: <Law9-0E613pibwgn0sj000007bbf@hotmail.com>



Tough condx, even the big guns were weak with signals appearing and disappearing during the exchange.

Please reply with comments, corrections, etc.

Alan, N3BJ  
Bent Mountain, VA

----- Original Message -----

From: Alan.Fryer@indsys.ge.com  
To: n3bj@hotmail.com  
Date: Tue 07/29/2003 14:14  
Subject: (No Subject)

> UTC	Call	My	RST	His	RST	SPC	Name	Power
> 2201	N1TP	559	559	FL	Tom	5W		
> 2202	WE9K	559	559	WI	Glenn		5W	
> 2206	W7ILW		559	559	AZ	Walt	5W	
> 2208	N5YFC		559	559	LA	Wayne		5W
> 2209	W9ZJX		599	559	IL	Al	100W	
> 2210	K5EOA		559	559	LA	Wayne		5W
> 2211	AA50	559	559	LA	Verne		5W	
> 2212	WA9PWP		589	559	WI	Paul	5W	
> 2215	KB0R	559	559	MN	Larry		5W	
> 2216	K0EVZ		559	559	NM	Doc	4W	
> 2220	K0FRP/4		579	559	SC	Al	5W	
> 2224	W5KDJ		559	559	TX	Wayne		250mW
> 2226	W5TB	559	559	CO	Doc	5W		
> 2228	K0MAX		559	559	MN	Max	5W	
> 2229	W5JAY		559	559	AR	Jay	5W	
> 2230	N1FN	559	559	CO	ET	5W		
> 2231	N0WX	559	559	MN	Mike	5W		
> 2236	AA7EQ		559	559	AZ	Bob	5W	
> 2252	N5ZE	559	559	TX	Lew	5W		
> 2259	W0TG	559	559	TX	Mark	5W		
> 2300	W5YR	559	559	TX	George		5W	
> 2302	K5SR	559	559	TX	Dale	5W		
> 2304	W6AZ	559	559	CA	Ron	5W		
> 2308	AC7A	559	559	AZ	Tom	5W		
> 2311	K7FD	559	559	OR	John	5W		
> 2315	K7TQ	559	559	ID	Randy		5W	
> 2317	K5JHP		559	559	TX	Bill	5W	
> 2322	WB7AEI		439	559	WA	Phil	5W	
> 2327	VE5QRP		559	559	SK	Bruce		5W
> 2329	KK5NA		559	559	TX	Joe	5W	
> 2329	N2WW	Fox	Fox	Fox	Fox	Fox		

> 2329 N3BJ Fox Fox Fox Fox Fox  
>  
>  
>

-----  
Date: Tue, 29 Jul 2003 07:36:29 -0700  
From: "Mabel & Don Adams" <adamsmed2@cablone.net>  
To: <qrp-l@lehigh.edu>  
Subject: [155105] Re: Adapting the "Ham From Idaho" SSB Rig For 60 mtrs  
Message-ID: <002001c355de\$ce608ac0\$0200a8c0@Toshiba>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Reply from WA7JHZ in response to John Kirk's concerns about the qrp ssb  
transceiver.  
Don KJ7NJ

Dear Don:

Here is the text (similar to what I sent to you) of what I sent to John:

\*\*\*\*\*

Dear John:

You are partially correct. The 4-element ladder filter is a good  
lower-sideband filter, but not for upper. However, If the local oscillator  
(LO) is set to 5 MHz above the 9.6 MHz ladder filter, you end up with a LO  
minus IF (LO-IF) output, and upper sideband is the result. You would need to  
use a crystal oscillator design for stability. I did not know that 60 meters  
only allows USB, but it was not my decision to put it on 60 meters.

I used 9.6 MHz crystals from Dan's Small Parts that came in matched sets of  
6. I'll bet that your crystals are not within the 200 Hz that most designs  
specify, and they may not have high Q values. Dan's crystals were easily  
within 200 Hz when I measured them.

The passband of the QRP 75 meter radio does have ripple. For a qrp radio,  
this is not too much of a problem. I use a capacitor value across the  
microphone of 0.047 uF; this results in a steeper roll-off of the audio. You  
should consider using more elements in your filter, the higher LO frequency,  
and a larger capacitor value across your microphone audio circuit (perhaps  
even a multi-element low-pass audio filter); the result is a better radio,  
but much larger and more complex.

The filter design is generally known as a crystal ladder filter circuit, and

I did not copy the program from any source.

The math is pretty much straight forward: 1) calculate the complex impedances throughout the entire network from load to source ( $R+jX$ ); 2) calculate the complex voltages and currents from source to load ( $V_r + jV_x$ ); and 3) compute the decibels between the source and the load voltage over some frequency range ( $20 \cdot \log(v_1/v_2)$ ).

The result is a bit messy for GWBASIC, but it does work. If you need a better program, consider the Almost All Digital Electronics (AADE) filter program. It is much better than mine (since I discovered after using its demo version), and you can design filters with many more elements.

Sincerely yours,  
David S. Forsman, WA7JHZ

-----  
Date: Tue, 29 Jul 2003 11:38:03 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [155106] My first 60-meter QSO using the Icom IC-703 QRP xcvr...  
Message-ID: <BAY1-F968CgSbXu1ld30000e025@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Hey, gang.

I've had the TS-440S on sixty a few times with good results. Well, after doing the 60-meter xmit mod to the '703 late last night, I just had to go out while ago, carrying the WM-2, and tune the longwire for 60-meter operation. Used the 440S as a QRP generator. Hmmm, on second thought, guess a 250-ft length of wire doesn't fit the traditional definition of 'longwire' when used on 60-meters...only one and 1/3 wavelengths there... Came back in, connected the coax to the '703. As soon as I tuned the '703 to 'channel' one...5330.500 ('phantom-carrier freq') USB, there was Jim, W8AC, near Cleveland, Ohio, finishing a QSO with another chap. Jim's FT1000MP and vertical antenna registered 20 dB over S9 here in Pulaski County, Virginia. Jim gave me a 'five-by-four'...not bad for 5 watts p.e.p. Decent short skip between us, just after 11:00 a.m. EDT. This IC-703 is providing me with much fun on this, my week off :) :) :)

73.

Bill, N4QA  
<http://www.n4qa.com>

-----  
Add photos to your messages with MSN 8. Get 2 months FREE\*.  
<http://join.msn.com/?page=features/featuredemail>

-----  
Date: Tue, 29 Jul 2003 11:41:44 -0400  
From: <nz7c@cox.net>  
To: qrp-1@Lehigh.EDU  
Subject: [155107] Z-11 spoken for - by me :-)  
Message-ID: <20030729154146.GAT24536.fed1mtao02.cox.net@smtp.west.cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Ysterday 0 posted a Z-11 for sale. Last night I was able to finally solve the problem with the rig it was intended to work with (put a new and better speaker in my Argosy 525 - wowo, SSB is now excellent). SO I will be keeping the Z-11. Thanks to those who inquired.  
73/Tim NZ7C

-----  
Date: Tue, 29 Jul 2003 09:03:27 -0700  
From: Brian Boschma <brianb@tdl.com>  
To: qrp-1@Lehigh.EDU  
Subject: [155108] Fwd: Re: BB ... on the edge  
Message-ID: <1059494607.3f269acf59a7d@tdl.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit

>Fun contest, length was just right. Set up the K2, and a wire plus string  
>delta quad pointed east.The climb out of the Palo Alto area into the hills  
>was warm at 8 am. The last miles were dirt and the bicycle slipped a few  
>gears under the load of me and the rig on my back. Sitting on the ground  
>at 2600 feet among the poison oak, pine and ants made for an interesting  
>operating position. Over my shoulder was a splendid view of the Pacific  
>with a patina of fog poured into the canyons and coves. In front of me was  
>Silicon Valley terminated by the telescopes on Mt Hamilton on the eastern  
>valley peaks. About 1.5 hours into the contest I added the reflector to

>the delta loop and severely suppressed KH6HE's wonderful signal while  
>enhancing all of you to the east. AA1MY came into focus several times but  
>my slight signal could not draw that bee close enough to join our logs.  
>For a brief moment W5KDJ bounced the s-meter. His milliwatts signal lasted  
>just long enough! I stared at that report wondering what his ERP might be  
>? Splendid format and will be back next year if propagation, and forces at  
>the home front permit.

>

>brian n6iz

Brian Boschma  
Director of Hardware Development  
Sonics Inc  
650 938 2500 x 167

----- End forwarded message -----

-----  
This mail sent through IMP: <http://horde.org/imp/>  
-----

Date: Tue, 29 Jul 2003 12:12:46 -0400  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [155109] SIXTY METERS...the band of Best Regards...  
Message-ID: <BAY1-F104NDIT6bB5Rw00000262a@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Anybody else notice that if you subtract the frequency of any point within  
60 meter channel 1, from the corresponding point within channel 5, the  
difference is EXACTLY '73' KHz ?

I wonder what the significance of THAT is ?! :) :) :)

73.

Bill, N4QA  
<http://www.n4qa.com>

-----  
Tired of spam? Get advanced junk mail protection with MSN 8.  
<http://join.msn.com/?page=features/junkmail>

-----  
Date: Tue, 29 Jul 2003 09:21:58 -0700  
From: "Fletcher, Michael" <michael.fletcher@attws.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [155110] RE: Call me Ishmael  
Message-ID: <72A9AFFC740D1F42BDDA9DBF1EF3EB700193C51A@WA-MSG07-BTH.wireless.attws.com>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

There's even a book about Amateur Radio on the list: The dawn of amateur radio in the U.K. and Greece : a personal view, by Norman F. Joly, if you want to read about the early days while improving your code.=2072,  
Mike KL7IXI/7  
Poulsbo, WA

-----  
Date: Tue, 29 Jul 2003 09:34:17 -0700  
From: "Fletcher, Michael" <michael.fletcher@attws.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [155111] Elmer 160: Why the parts?  
Message-ID: <72A9AFFC740D1F42BDDA9DBF1EF3EB701785F3@WA-MSG07-BTH.wireless.attws.com>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

There are several inexpensive kits already out there between \$9.95 and \$19.95. Seems like a good prerequisite to get a kit and immediately focus on the programming. I think most folks already know how to burn solder.

Although not the one I obtained before the Elmer 160 idea came up, this site has inexpensive kits to immediately order to get the ball rolling: [http://www.glitchbuster.com/el\\_cheapo\\_kit.htm](http://www.glitchbuster.com/el_cheapo_kit.htm)

My kit included a 16F628 so that's another feature worth looking for.  
72,  
Mike KL7IXI/7  
Poulsbo, WA

-----  
Date: Tue, 29 Jul 2003 12:12:40 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: <n4qa@hotmail.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [155112] Re: SIXTY METERS...the band of Best Regards...  
Message-ID: <008f01c355f4\$9e74c5e0\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The first and last channels are 73 kHz apart?

73/72, George  
Amateur Radio W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE  
"In the 57th year and it just keeps getting better!"  
<mailto:w5yr@att.net>

----- Original Message -----  
From: "Bill, N4QA" <n4qa@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Tuesday, July 29, 2003 11:12 AM  
Subject: SIXTY METERS...the band of Best Regards...

>  
> Anybody else notice that if you subtract the frequency of any point within  
> 60 meter channel 1, from the corresponding point within channel 5, the  
> difference is EXACTLY '73' KHz ?  
> I wonder what the significance of THAT is ?! :) :) :)  
>  
> 73.  
> Bill, N4QA  
> <http://www.n4qa.com>

-----  
Date: Tue, 29 Jul 2003 13:13:30 -0400  
From: Alex <kr1st@amsat.org>

To: michael.fletcher@attws.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [155113] Re: Call me Ishmael  
Message-ID: <3F26AB3A.C6A4122D@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Thanks for the tip. There's also The Radio Amateur's Hand Book by  
Frederick A. Collins available.

73,  
--Alex KR1ST

"Fletcher, Michael" wrote:

>  
> There's even a book about Amateur Radio on the list: The dawn of amateur  
> radio in the U.K. and Greece : a personal view, by Norman F. Joly, if  
> you want to read about the early days while improving your code.  
> 72,  
> Mike KL7IXI/7  
> Poulsbo, WA

-----  
Date: Tue, 29 Jul 2003 17:15:42 GMT  
From: Wayne\_W5KDJ <w5kdj@juno.com>  
To: n4qa@hotmail.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [155114] Re: SIXTY METERS...the band of Best Regards...  
Message-ID: <20030729.101627.754.445345@webmail06.lax.unttd.com>  
Mime-Version: 1.0  
Content-Type: text/plain

A prime number?

Wayne\_W5KDJ  
Ex: SV0WWW\_TF2WJN \*e-QSL\*  
ARS\_1392 ARCI\_11325 FP\_626  
FISTS\_10060 SOC\_538 ARRL

--- "Bill, N4QA" <n4qa@hotmail.com> wrote:

Anybody else notice that if you subtract the frequency of any point within  
60 meter channel 1, from the corresponding point within channel 5, the



difference is EXACTLY '73' KHz ?  
I wonder what the significance of THAT is ?! :) :) :)

73.  
Bill, N4QA  
<http://www.n4qa.com>

---

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---

Date: Tue, 29 Jul 2003 12:23:02 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: <AQRP@yahoogroups.com>, <qrp-1@Lehigh.EDU>  
Subject: [155115] Austin Summerfest Ham Convention QRP forum Dinner Aug. 1  
Message-ID: <000b01c355f6\$10a3ec80\$4e100a0a@rohredt2000>

Gang,  
The restaurant is requiring us to schedule our Friday Aug. 1, dinner for  
6:30 PM at La Palapa on Hwy 290 down east of the convention hotel, the Red  
Lion.

Other details of the QRP Forum are on <austinhams.org> Summerfest link.

One of our guest speakers, Gerald Youngblood AC50G, has just received the  
ARRL Doug DeMaw W1FB Technical Excellence award for his QEX series on The  
Software Defined Radio! Congratulations Gerald!

We have 3 top notch program papers for this convention.  
See our Summerfest program schedule at <austinhams.org>

72,  
Stuart  
K5KVH

---

Date: Tue, 29 Jul 2003 13:42:12 -0400  
From: "Dean-NR2V/4" <nr2v@northnet.org>  
To: <n4xy@earthlink.net>, <qrp-1@lehigh.edu>  
Subject: [155116] RE: Well Known Contester Falls From Tower  
Message-ID: <005301c355f8\$be522250\$03fea8c0@deanlaptop>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I was just going thru some old un-read mail and came across this.  
As a 38 year old ham, licensed in 1977, myself, you can bet it strikes a  
cord here.

It scares me to think of how many times I have said, and DONE something  
like " Awe I don't need to belt in I'm only cutting a couple of feedline  
ties, heck it will take twice as long to belt in, as it will to do the  
job"

Always,always,always, everytime, no matter for what reason, or how long-  
Belt in !!!!!

72/73 all,  
Dean  
May God rest Steve's soul.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf  
Of Ed Tanton  
Sent: Saturday, June 21, 2003 12:51 AM  
To: Low Power Amateur Radio Discussion  
Subject: FWD: Well Known Contester Falls From Tower

I urge everyone to be careful.

==>WELL-KNOWN CONTESTER, DXer DIES IN FALL FROM TOWER

Well-known contester and DXer Steve Miller, N8SM (ex-WD8IXE), of  
Prosper,  
Texas, died June 15 as a result of a fall while working on his Amateur  
Radio tower. He was 38. An ARRL member, Miller had extensive experience  
in  
tower work and antenna installation

<snip>

First licensed as WD8IXE in 1977 at the age of 12, Miller

-----  
Date: Tue, 29 Jul 2003 09:49:17 -0500  
From: "David Kukulka" <ab9bz@hotmail.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [155117] FS: QRP Items  
Message-ID: <Law10-0E36tuUCyjevsh0000b263@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Emtech ZM-2 QRP antenna tuner built \$50  
Small Wonders PSK-20 built in homebrew enclosure \$100  
K1EL K10 Keyer built in enclosure \$20  
K1EL K20 CW Keyboard built in altoids tin \$25  
NOGaWATT QRP Wattmeter built in case \$20

Add \$5 shipping

72 de AB9BZ

-----  
Date: Tue, 29 Jul 2003 11:56:38 -0600  
From: "Marshall Emm" <mgemm@emtechnologies.com>  
To: qRP-L@lehigh.edu  
Subject: [155118] FOX: N2WW Log for 7/27  
Message-ID: <3F2660F6.32618.300F14@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

SUMER FOXHUNT 27 JULY 2003

CALL N2WW  
NAME LARRY  
RIG OHR100  
ANT C3@40'  
QTH N1FN  
EXCH 559 CO LARRY 5W  
TIME GMT

22.03	WA8BXN	559	OH	MIKE	5W
22.03	N1FN	559	CO	ET	5W
22.06	W5YR	569	TX	GEORGE	5W

22.06	N1TP	559	FL	TOM	5W	
22.07	AA50	559	LA	VERN	5W	
22.08	WE9K	559	WI	GLENN	5W	
22.09	K5JHP		559	TX	BOB	5W
22.09	AD5JV		569	LA	ED	5W
22.11	K5SR	559	TX	DALE	5W	
22.11	AA7EQ		559	AZ	BOB	5W
22.12	N6RZ	559	CA	DALE	5W	
22.13	K5EOA		559	LA	WAYNE	5W
22.14	AF4PP		559	GA	CHUCK	4W
22.15	W6AZ	559	CA	RON	5W	
22.16	W5KDJ		559	TX	WAYNE	250mW
22.17	KK5NA		559	TX	JOE	5W
22.18	W9ZJX		599	IL	AL	5W
22.18	KB0R	559	MN	LARRY	5W	
22.19	K4QA/QRP		559	NC	DAVE	5W
22.21	N5ZE	559	TX	LEW	5W	
22.22	K0MAX		559	MN	MAX	5W
22.23	N5YFC		559	LA	WAYNE	5W
22.23	W5JAY		599	AR	JAY	1W
22.24	K2RSK		559	NY	PETER	5W
22.25	K1WAY		559	NY	MIKE	5W
22.26	N3BB	559	VA	PUCK	5W	
22.27	KG6WG		569	CA	HOWARD	5W
22.29	K5UV	559	OK	MIKE	5W	
22.33	N0WX	559	MN	MIKE	5W	
22.37	KB2FEL/8		559	WV	BOB	5W
22.42	KG4LDY		559	VA	JIM	5W
22.43	N7MFB		559	WA	BILL	5W
22.56	W0TGB		589	TN	MARK	5W
23.04	K3ESE		559	MD	LLOYD	5W
23.05	K2ZN	559	NY	AL	5W	
23.11	K7TQ	559	ND	RANDY	1W	
23.12	WB7AEI		449	WA	PHIL	5W
23.13	K7FD	599	OR	JOHN	5W	
23.19	N6WG	559	CA	BOB	5W	
23.27	K7HBN		559	WA	GEORGE	5W
23.28	N2WW	XXX	CO	LARRY	5W	
23.29	N3BJ	XXX	VA	ALAN	5W	

TOTAL = 42 QSO.

THANK YOU ALL FOR QSO.

73, DE LARRY N2WW / UA6HZ / T32WW

P.S. TWO HAMS WITH CALL'S KA9YCB AND W4CLM START TO MAKE QSO ON MY FREQ AT 22.30 AND FINISHED AFTER 45 MIN. I TRY TO EXPLAIN ABT FOX HUNT, I AM HERE 30 MIN, BUT 10WPM ON MY TRANSMITION MAYBE VERY HIGH SPEED FOR THOS TWO VERY BEST OPERATORS. IT TAKES 45 MIN TO GET CLEAR FREQ.

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

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(303)752-3382

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Date: Tue, 29 Jul 2003 11:06:54 -0700

From: Steve Smith <sigcom@juno.com>

To: qrp-l@Lehigh.EDU

Subject: [155119] Brief Ft. Tuthill report and AZ ScQRPion TX

Message-ID: <20030729.110654.-363573.9.sigcom@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

First of all, I'd like to thank Bob & Bertie Hightower and the rest of the AZ ScQRPions for hosting the QRP events again this year at Ft. Tuthill. Also thanks to Jerry Haigwood for the AZ ScQRPion Transmitter building events, Jerry Parker for the (as usual) outstanding QRP badges and to all the guest speakers whose presentations were both educational and entertaining.

This was my first time to attend Ft. Tuthill and I thoroughly enjoyed myself along with the usual California QRP suspects: Doug Hendricks, Jim Cates, Vern Wright, "Samarai" Sam Imai, Dick Palmer, Gody Siason and surely I'm forgetting to mention others.

Ft. Tuthill County Fairgrounds is a beautiful setting nestled in the pine trees just a couple miles outside Flagstaff. Unfortunately for everybody involved this year the AZ weather was uncooperative with thunderstorms blowing in both Friday and Saturday afternoon. The worse of the two storms was on Friday. The sky just opened up for probably about 20 minutes to a half-hour including thunder, lightning and hail with the

storm just settling in for the next couple of hours. A bunch of people and gear got wet and the outdoor swap quickly folded. That was a shame because, unlike most swaps these days, this one was loaded with real Ham stuff for sale.

Fortunately, we (me, Jim, Sam and others) were indoors at the time assembling AZ SQRPIon transmitter kits (see: [extremezone.com/~nk7m/tut03.htm](http://extremezone.com/~nk7m/tut03.htm) ). Our concentration on "snorting rosin" was so intense that we were practically oblivious as to what was taking place outside.

The kit building event was held both Friday and Saturday with the kits, tools and solder all provided by the ScQRPions. The event was fun and quite challenging due to being limited to wire cutters and curved needle-nose pliers for hand tools. It took an average of about 6 hours(!) from start to finish and I know at least Jim, Sam and I were indeed pooped out but well satisfied with the results at the completion of assembly and testing. My hat's off to Jim, Sam and others who completed their rigs using soldering irons with tips that were, shall I say, "well worn". During the event, Jerry Haigwood personally tested each and every rig, stage by stage including helping to troubleshoot several (including mine) that didn't work properly. I'll bet that he made over 1000 solder connections over both days! (I believe that most if not all of the failures were due to assembly errors, not to defective components.)

The performance of that little rig is impressive with a sweet CW note and 4 Watts of power output (on the 40 meter band TX) from two teeny plastic TO-92 FETs (BS170) running Class 'E' w/ no heat sinks. Current drain is about 375 mA at 12 Volts. Yep, that's an efficiency of almost 90 percent! Clean output spectrum too with absolutely -nothing- visible higher than the 3rd harmonic and the 2nd and 3rd are down -44 dB or better. My rig is on 30 meters and puts out over 3 Watts but still requires a bit of tweaking of the toroidal inductors to get the efficiency nailed down. From what I gathered at Dan Tayloe's talk, those FETs are being pushed at frequencies higher than 7 MHz but they're still a whale of a lot better than the IRF510, something on the order of 55% better even when it's used Class 'E'.

That's it for now. Glad I was able to get there this year and hope to see you there in '04.

73.....Steve Smith WB6TNL  
Oxnard, CA USA  
"Snort Rosin"

--I know you believe you understand what you think I said,  
but I am not sure you realize that what you heard is not what I meant.--

-----  
The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----  
Date: Tue, 29 Jul 2003 13:08:32 -0500  
From: Joe Martin <[km5cw@arrl.net](mailto:km5cw@arrl.net)>  
To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [155120] Re: Elmer 160: Why the parts?  
Message-ID: <3F26B820.1000207@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1; format=flowed  
Content-Transfer-Encoding: 7bit

I have to agree, since we are looking at a unified start in Sept.  
everyone can go to the site and read up on all the goo info there, then  
when John gets time he can read all the inputs and let him decide which  
way to go. I like the el cheapo route for the most part but it is  
stated that this kit isn't guaranteed to work with all computers just  
yet due to some v+ requirements if I read it right.

I do like the ease of purchase from his site and he has noted he is  
willing to do group buys, so maybe John (knowing what we need better  
than at least what I do ) can put the site to use for us.

Just a thought anyway.

OBTW if you haven't been to John's site yet, it's really great, I love  
the fantastic photography, he has.

73 de KM5CW Joe

Fletcher, Michael wrote:

> There are several inexpensive kits already out there between \$9.95  
>and \$19.95. Seems like a good prerequisite to get a kit and immediately  
>focus on the programming. I think most folks already know how to burn  
>solder.

> Although not the one I obtained before the Elmer 160 idea came up,  
>this site has inexpensive kits to immediately order to get the ball  
>rolling: [http://www.glitchbuster.com/el\\_cheapo\\_kit.htm](http://www.glitchbuster.com/el_cheapo_kit.htm)

> My kit included a 16F628 so that's another feature worth looking for.  
>72,

>Mike KL7IXI/7

>Poulsbo, WA

>

>  
>

--

Dallas-Stuck in the middle-Ft.Worth

-----  
Date: Tue, 29 Jul 2003 13:44:20 -0500  
From: "Jerry Ford" <benlightnd13@mchsi.com>  
To: "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>  
Subject: [155121] RUN FOR THE BACON  
Message-ID: <01b401c35601\$6c663720\$0077da0c@mchsi.com>

Ladies and Gentlemen:

I would like to invite you to come out an play in the upcoming " RUN  
FOR THE BACON " QRP sprint  
sponcored by The Flying Pigs QRP Club, International.

<http://www.fpqrp.com/fpqrpapun.html>

This is a 2 hour sprint to be held this coming Sunday evening.  
The official date and time are Monday, 4th of August from 0000z to  
0200z

This is a simple exchange of RST, SPC, & FP # or pwr out.  
Reporting can be accomplished by e-mail, USPS,  
or by using the newly designed " AUTOLOG "  
available on the web page.

<http://www.fpqrp.com/fpqrpapun.html>

QSO points:

Work a FP member	=	3 points	
Work a FP member ( different continent )	=	5 points	
Work non-member	=	1 point	

( Work each station once per band on CW, SSB, or PSK ) ( suggested  
freq's for each mode on the web page )

Multipliers:

S / P / C total for all bands		
Work more than 50 FP members	X	2



This is going to be a fun sprint and a nice relaxing way to wrap up the weekend.

I hope you will all join us in the fun.

72 / 73            Jerry            N0JRN

FP # 546,   ARS # 923,   ARCI # 11049,   ARRL,  
Springfield, Mo. <http://home.mchsi.com/~n0jrn/>  
MP + # 8,   K 1 # 608,   SW 20 +,   TT 1340 , RM 20 &  
40,   Tiny Tornado 20, 30, 40, 80,   SMK - 1  
and so on and so on

-----  
Date: Tue, 29 Jul 2003 14:38:28 -0500 (CDT)  
From: Dale Botkin <dale@botkin.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [155122] Re: s0, THE CW IS A SNAP HUH?  
Message-ID: <Pine.LNX.4.33.0307291437380.18702-100000@madmax.botkin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 29 Jul 2003, James P. Osburn, P.E. wrote:

> I think normal everyday use is enough to maintain whatever speed  
> you're at. If you want to improve your speed, which I do, then you  
> practice.

Every QSO I make is practice... except the one I made last night, QRS to about 10WPM. Wow, that was painfully slow.

72,  
Dale - N0XAS  
--

It's a thankless job, but I've got a lot of Karma to burn off.  
PicoKeyer is available for the Rock-Mite! <http://www.hamgadgets.com>

-----  
Date: Tue, 29 Jul 2003 13:31:48 -0700  
From: "KD7SNX Rob. C" <kd7snx@earthlink.net>  
To: "message post" <qrp-1@lehigh.edu>  
Subject: [155123] FT. TUTHILL (the story)  
Message-ID: <000d01c35610\$84a028a0\$9610b83f@Cravers>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

This was my very 1st ft. tuthill. I went up with my uncle, wv7g bill. We got up there late afternoon Thursday. the drive was not all that long compared to others that drove in for California an New Mexico!. it took all of five hours, and surprisingly I did not sleep through one bit driving up. When we got every thing out of the truck and made the tent up, in the QRP scQRPions camp site. We started to talk to Bob and Birdie Hightower (sorry if I spelt that wrong) they are QRP scQRPions Leaders, Organizer and the nieces people you can meet. As the day turned into night we hit the hay. I did not sleep on bit, for I was day dreaming about great prices on tube rigs and meeting the

fellow QRP scQRPion members. When Bill got up around 4:30am, I was up all night. He then noticed that we forgot a lighter to make coffee! So that morning it was very slow for Bill. After no coffee we walked into the selling

area around 5:30. Before the gates were open. One gate was open for venders to get in, so we kinda walked in. Around 6:00am Bob showed up with the tents things to sell stuff under. We helped set that up, and met some more qrp guys. I finally got to meet Doug Hendricks! I built one of his Norcal keyer kit and thought it was a great little full featured keyer. I had to show it to him. I even made little paddles out of a Gatorade bottle cap and resistors. (you will see, I am witting an article for Doug on them) Later on that day I walked around the vender areas and kept and eye out for a good hf rig. I soon found a TS-520. my uncle has one, and from what I hear and what I have seen they are great rigs. I asked the guy how much? And I hear a low price of \$200!!! He also had a FT-101 for \$150. I looked them both over and decided that the ts-520 would be a better buy, because he had the external speaker, power cords, original mic, and the manual. The

ts-520 works great too. Well it did pass the smoke test so far, but I have not transmitted with it yet. Bill WV7G will test the transmitter for me some time soon I guess. Anyway the guy said it had not a thing wrong with it so it should work. When I got the radio put away, a storm came in around 3:00pm. It was a big one!!! Lots of rain with lightning and wind!!! We has three big hits of heavy rain that were about 20 min. long and 10min. apart. The last big one had hale!! The hale was not very big, but it did hurt

hitting my legs when the wind pushed it along. Most of the group tried to hold the tent down , because of the wind. The funny thing was , it was made out of steel and lighting is hitting pretty darn close! Anyway the storm was bad and we came out alive but I have never been so wet!! I could not put my shoes on until the last day, because they were soaked. Lucky I brought sandals too. Saturday morning we had a great big breakfast, put on by the group. Everything you wanted for breakfast was there. We ate and headed off to the venders I did manage to spend some money, that day on a norcal kit, called the tenna dipper. I let Doug use my Norcal keyer kit as a model. Doug, later on thought it was such a good model that he bought it off me! He also gave me a miniboots on Friday. What a nice guy, let me tell you if you have not met him, you should. He is full of wisdom, and Doug is always willing to help out with anything. He also puts together some great kits. That day, Saturday, I took my general test. Element 2 and 3. I only passed the written, but the code I will try again in two week or so. I can't wait to start using my TS-520. I believe it will be used on cw more the ssb. I think cw is pretty neat. Later on it that day, I bought some more stuff, I bought so many things I can't remember what day I got them! That night the group had a Bring your own meet dinner! it was great. Bill, wv7g; and I, kd7snx had some kind of steak. We talked with the other group members. I must say there is some really nice guys out there. When it just started to get dark, the group had it raffle. I did not win anything, but I did not mind, because I got several things at great deals. My uncle won some kind of kit that switches between a transmitter and a receiver. I forgot what it was called Anyway, it is a nice addition to his qrp kits. I got in bed late that night, I did sleep this time. When I woke up to the smell of coffee and breakfast, I remembered that we where going home today. I ate then ran off to the venders again to see if there was and last minutes deal. There where auctioning junk, but I did not want anything up there, well because it was all junk! We got all packed and sat down to eat lunch before we headed off. Gale sat with us eating his lunch. After that we got to talking with: Dave, Phil, Gale and Doug. It was good to have a nice long chat before we left. On the way home I slept 1/3 of the way or so. When Bill saw my eyes go down he would swerve the car, and my head would hit the window! I am still trying to get him back for that! All in all Tuthill 2003 was the best hamfest I had every gone to, despite the rain and lack of people.

73

Rob C.

KD7SNX

[www.qsl.net/kd7snx](http://www.qsl.net/kd7snx)

-----  
Date: Tue, 29 Jul 2003 16:55:36 -0500

From: Joe Martin <km5cw@arrl.net>  
To: qrp-l@Lehigh.EDU  
Subject: [155124] Re: Elmer 160: Why the parts?  
Message-ID: <3F26ED58.8040804@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Fletcher, Michael wrote:

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>and \$19.95. Seems like a good prerequisite to get a kit and immediately  
>focus on the programming. I think most folks already know how to burn  
>solder.

>  
>

Well I haven't received any messages from qrp-l for about 4 hours, so I don't know if my first post came through or not, so much for spontaneity on a reflector <g>. At any rate the afore mentioned 9.95 parts kit does not contain the board you want that the parts are for, to get the board, you need to get the book it is includes with and also you get a cd that you use in conjunction with the book. from just what I've read at the site today the book kit is a really great bargain.

I am simply passing on what I've learned and since the book was published in 2000 there's a good possibility we can find copies in major book stores and possibly at Fry's, I'll call around tomorrow and see what I can find out here in the DFW area.

Here's the info I got off of the Amazon site. ISBN:0071361723

Average Customer Rating:3 1/2 stars out of 5  
based on 45 reviews.

"Programming and Customizing the PICMicro"

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"Programming and Customizing the PICMicro"  
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3. Paste the address into your Web browser by selecting "Paste" from the Edit

menu.

4. Click "Go" on your browser or press "Return/Enter" on your keyboard.

> Although not the one I obtained before the Elmer 160 idea came up,  
>this site has inexpensive kits to immediately order to get the ball  
>rolling: [http://www.glitchbuster.com/el\\_cheapo\\_kit.htm](http://www.glitchbuster.com/el_cheapo_kit.htm)  
> My kit included a 16F628 so that's another feature worth looking for.  
>72,  
>Mike KL7IXI/7  
>Poulsbo, WA  
>  
>  
>

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Dallas-Stuck in the middle-Ft.Worth

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End of QRP-L Digest 2996

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